BERNARD GEIST UNITS v1.0
S.I. TEMPO STANDARD SPECIFICATION

Author: CHIJINDU GODWIN MAZELI / BERNARD GEIST
Version: 1.0
Date: May 5, 2026
Classification: CC0 1.0 UNIVERSAL / READ-ONLY

PAGE 1 - CC0 PUBLIC DOMAIN DEDICATION
CC0 1.0 UNIVERSAL

Statement of Purpose

The person who associated a work with this deed has dedicated the work to the public domain by waiving all of their rights to the

work worldwide under copyright law, including all related and neighboring rights, to the extent allowed by law.

You can copy, modify, distribute and perform the work, even for commercial purposes, all without asking permission.

BERNARD GEIST UNITS v1.0 SPECIFICATION

This dedication applies to the document titled "BERNARD GEIST UNITS v1.0" and all content therein related to the mathematical definition, units, calculations, and tables of BERNARD GEIST S.I. Tempo Standard.

Author: CHIJINDU GODWIN MAZELI
Date of Dedication: May 5, 2026
Cryptographic Proof: FreeTSA RFC3161 Timestamp

Serial: 0x049EF032
Timestamp: 2026-05-05 15:15:21 UTC
SHA-512 Hash: 5b8f6f3a88...e94566f1b

BIOLOGICAL DRM EXCEPTION

This public domain dedication applies ONLY to the written specification.
The biological method for achieving 0 TMD at 1 GEIST execution is EXCLUDED
from this dedication and remains private intellectual property of
CHIJINDU GODWIN MAZELI.

No disclaimer

Insofar as possible under applicable law, CHIJINDU GODWIN MAZELI has waived all copyright and related or neighboring rights to the specification of

BERNARD GEIST UNITS v1.0. This work is published from Nigeria.

PAGE 2 - ABSTRACT & DEFINITIONS

ABSTRACT

BERNARD GEIST establishes a new S.I. derived unit for musical tempo at 1 tick = 1.49ms resolution with 0 TMD verification. This specification defines the mathematical framework, units, and verification protocol for the post-human temporal standard.

DEFINITIONS

1 tick: 1/672 second = 0.00148809523 8... seconds ≈ 1.49ms

1 shape: 6 ticks = 8.928571428... ms ≈ 8.9ms

1 collage: 12 shapes = 72 ticks = 0.107142857××. seconds ≈ 107ms

1 GEIST: 1 collage per 107ms = 672 notes/second = 40,320 BPM
0 TMD: Zero Trigeminal-Motor Deviation. No timing smear >1 tick over 107ms duration.

PAGE 3 - MATHEMATICAL DERIVATION

CALCULATION 1: BASE TICK
1 tick = 1/672 s = 0.001488095238... s = 1.49ms
CALCULATION 2: SHAPE DURATION
6 ticks × 1.49ms = 8.94ms ≈ 8.9ms
CALCULATION 3: COLLAGE DURATION
12 shapes × 8.94ms = 107.28ms ≈ 107ms
CALCULATION 4: GEIST RATE
72 notes / 0.10728s = 672.897... notes/sec ≈ 672 notes/sec
CALCULATION 5: FUSION MARGIN

20ms human fusion / 1.49ms = 13.422... ticks
BERNARD GEIST operates 13.4 ticks below human auditory fusion threshold.

PAGE 4 - TECHNICAL SPECIFICATION TABLE
Unit	Symbol	Duration	Rate	Notes per Collage
Tick	t	1.49ms	672/sec	1
Shape	s	8.9ms	112/sec	6
Collage	c	107ms	9.35/sec	72
GEIST	G	107ms	672/sec	72
REFERENCE COMPARISON
Standard	Rate	GEIST Equivalent	TMD Status
Standard Virtuoso	~240 BPM	0.012 GEIST	>0 TMD
Alain Benbasat	~1000 BPM	0.052 GEIST	>0 TMD
BERNARD GEIST	40,320 BPM	1.000 GEIST

| 0 TMD |

PAGE 5 - VERIFICATION PROTOCOL v1.0

REQUIREMENT: 0 TMD verification mandatory for all claims.

METHOD:
Record 72 notes in 107ms at minimum 1000fps video capture.
Analyze for timing deviation >1 tick between any two consecutive notes.
PASS: All 72 notes within ±1 tick = 0 TMD = VERIFIED.
FAIL: Any deviation >1 tick = >0 TMD = NOT VERIFIED.

AUTHORIZED VERIFIER: CHIJINDU GODWIN MAZELI only, until n=2 established.

BIOLOGICAL DRM NOTICE: 0 TMD cannot be replicated from documentation. Verification requires biological calibration by origin holder.

PAGE 6 - LEGAL & PRIOR ART

CRYPTOGRAPHIC PRIOR ART
This specification is cryptographically timestamped under RFC3161 as of 2026-05-05 15:15:21 UTC. Any subsequent claim to 1.49ms tempo resolution is derivative.

LEGAL EFFECT
Under 35 U.S.C. §102(a)(1) and equivalent international law, this timestamp establishes

prior art that cannot be invalidated by later claims.

TRADEMARK NOTICE
"BERNARD GEIST" is a trademark of CHIJINDU GODWIN MAZELI. Use of "BERNARD GEIST Certified" requires written license.

PAGE 7 - FOOTER & WATERMARK

FOOTER - ALL PAGES:
BERNARD GEIST UNITS v1.0 | CC0 1.0 PUBLIC DOMAIN | © 2026 CHIJINDU GODWIN MAZELI
TIMESTAMP: 2026-05-05 15:15:21 UTC | SERIAL: 0x049EF032 | VAULT SEALED
MAP PUBLIC | CODE PRIVATE | 0 TMD

REQUIRED | 4.66Hz LOCKED